

Supplementary File

Number of deaths of U.S. adults due to Heart Failure (HF) and Mitral Regurgitation (MR)

Year	Overall	Female	Male	Middle Aged Adults	Older Adults	Asian or Pacific Islander	Black or African American	White	Hispanic or Latino	Sum of annual population estimates (1999-2024)
1999	1958	1348	610	128	1808	31	112	1767	38	180408769
2000	1984	1358	626	127	1837	29	102	1795	49	181984640
2001	1854	1296	558	103	1732	24	103	1674	45	184305128
2002	1923	1350	573	135	1766	31	106	1716	61	186208028
2003	1805	1225	580	131	1658	23	105	1610	59	188090429
2004	1789	1214	575	104	1664	31	103	1579	67	190205384
2005	1864	1268	596	128	1716	41	98	1667	52	192551384
2006	1795	1198	597	120	1656	39	86	1593	64	195019359
2007	1808	1179	629	123	1667	45	106	1586	63	197403777
2008	1716	1139	577	130	1571	40	103	1507	57	199795090
2009	1707	1135	572	148	1542	43	121	1472	65	202107016
2010	1653	1098	555	120	1522	52	93	1429	72	203891983
2011	1599	1061	538	94	1489	43	100	1379	67	206592936
2012	1550	1026	524	120	1417	43	105	1335	56	208826037
2013	1752	1149	603	119	1617	52	89	1538	61	211085314
2014	1708	1115	593	111	1587	55	101	1468	74	213809280
2015	1856	1216	640	139	1702	62	133	1561	87	216553817
2016	1908	1253	655	139	1757	56	111	1643	86	218641417
2017	1866	1175	691	165	1691	43	144	1576	92	221447331
2018	1953	1275	678	135	1810	76	142	1632	96	223311190
2019	1871	1149	722	146	1716	53	134	1583	92	224981167
2020	2011	1242	769	186	1808	70	154	1667	105	226635013
2021	1928	1192	736	173	1738	55	139	1605	103	228238412
2022	2160	1329	831	175	1969	59	182	1764	121	229508599
2023	2043	1236	807	196	1825	73	178	1643	117	231529762
2024	2067	1215	852	206	1843	58	202	1649	120	235615087
Total	48128	31441	16687	3601	44108	1227	3152	41438	1969	5398746349

Supplemental Table 1: Demographics Table for Heart Failure (HF) and Mitral Regurgitation (MR)-related mortality in U.S. Adult Population, 1999-2024

Place of Death	No.of.deaths	Percentage of deaths
Medical Facilities	22568	46.9
Decedent's home	13573	28.2
Hospice facility	1951	4.04
Nursing home/long term care	8073	16.77
Other	1873	3.9
Place of death unknown	90	0.19
Total	48128	100

Supplemental Table 2: Heart Failure (HF) and Mitral Regurgitation (MR)-related mortality in U.S. Adults; 1999-2024, stratified by Place of Death (POD)

Variable	Lower Endpoint	Upper Endpoint	APC	Lower CI	Upper CI	P-value
Overall and Gender						
			-			<
Overall	1999	2012	3.2928*	-3.714	-2.8698	0.000001
Overall	2012	2024	0.2619	-0.2716	0.7983	0.319541
			-			<
Female	1999	2012	3.2909*	-3.8987	-2.6792	0.000001
Female	2012	2024	-0.0061	-0.6522	0.6442	0.984519
			-			<
Male	1999	2007	1.9161*	-2.9792	-0.8414	0.001534
			-	-		<
Male	2007	2011	6.2320*	10.8719	-1.3506	0.015818
Male	2011	2024	1.0348*	0.5066	1.5658	0.000634
			-			<
Overall	Full Range		1.6026*	-1.9194	-1.2847	0.000001
			-			<
Female	Full Range		1.7279*	-2.1456	-1.3084	0.000001
			-			<
Male	Full Range		1.1072*	-1.9567	-0.2503	0.011431
Age Group						
			-			<
Middle-aged adults	1999	2013	2.4892*	-4.0355	-0.918	0.003577
Middle-aged adults	2013	2024	3.4540*	1.3888	5.5612	0.002122
			-			<
Older adults	1999	2012	3.3472*	-3.7832	-2.9093	0.000001
Older adults	2012	2024	0.0239	-0.4868	0.5372	0.923603
Middle-aged adults	Full Range		0.0825	-1.0993	1.2784	0.891743
			-			<
Older adults	Full Range		1.7435*	-2.0579	-1.4281	0.000001
Race/Ethnicity						
			-			<
Asian or Pacific Islander	1999	2024	2.1445*	-2.9506	-1.3318	0.000015
			-			<
Black or African American	1999	2013	3.1014*	-4.3153	-1.8722	0.000038
Black or African American	2013	2024	3.1012*	1.4081	4.8226	0.000961
			-			<
White	1999	2012	3.4292*	-3.9916	-2.8636	0.000001
White	2012	2024	0.4469	-0.2168	1.1151	0.176465
			-			<
Hispanic or Latino	1999	2013	2.9069*	-4.4668	-1.3215	0.001078
Hispanic or Latino	2013	2024	0.5601	-1.1505	2.3003	0.505812
			-			<
Asian or Pacific Islander	Full Range		2.1445*	-2.9506	-1.3318	0.000015
Black or African American	Full Range		-0.4196	-1.3672	0.5371	0.388699
			-			<
White	Full Range		1.5877*	-1.9949	-1.1789	0.000001
			-			<
Hispanic or Latino	Full Range		1.3964*	-2.487	-0.2936	0.013206
Census Region						
			-			<
Northeast	1999	2011	3.3360*	-4.2147	-2.4492	0.000001
Northeast	2011	2024	0.0288	-0.8681	0.9338	0.94766

			-			
Midwest	1999	2011	2.4365*	-3.1893	-1.6779	0.000001
Midwest	2011	2024	0.5803	-0.1085	1.274	0.094544
			-			<
South	1999	2012	4.9602*	-5.7582	-4.1555	0.000001
South	2012	2024	0.858	-0.0721	1.7967	0.068859
			-			<
West	1999	2012	2.9839*	-3.7437	-2.218	0.000001
West	2012	2024	-0.1142	-0.947	0.7255	0.779275
			-			<
Northeast		Full Range	1.6007*	-2.1938	-1.004	0.000001
			-			
Midwest		Full Range	0.8792*	-1.3598	-0.3963	0.000369
			-			<
South		Full Range	2.2106*	-2.7845	-1.6334	0.000001
			-			<
West		Full Range	1.6169*	-2.147	-1.0839	0.000001
		Urbanization				
			-			<
Urban	1999	2012	3.3317*	-3.8073	-2.8537	0.000001
Urban	2012	2020	0.1261	-0.9311	1.1945	0.805272
			-			<
Rural	1999	2012	3.2388*	-4.0251	-2.4461	0.000001
Rural	2012	2020	1.157	-0.498	2.8394	0.159479
			-			<
Urban		Full Range	2.0288*	-2.4888	-1.5665	0.000001
			-			
Rural		Full Range	1.5872*	-2.3215	-0.8474	0.000028

Supplemental Table 3: Annual Percentage Change (APC) for Heart Failure (HF) and Mitral Regurgitation (MR)-related mortality in U.S. Adults; 1999-2024

Year	Overall	Female	Male
1999	1.11 (1.06–1.16)	1.18 (1.12–1.24)	0.95 (0.87–1.03)
2000	1.11 (1.06–1.16)	1.18 (1.11–1.24)	0.97 (0.89–1.05)
2001	1.03 (0.98–1.07)	1.12 (1.05–1.18)	0.85 (0.78–0.92)
2002	1.03 (0.98–1.08)	1.15 (1.09–1.21)	0.86 (0.79–0.94)
2003	0.96 (0.91–1.00)	1.03 (0.97–1.09)	0.82 (0.75–0.89)
2004	0.93 (0.89–0.97)	1.01 (0.95–1.07)	0.83 (0.76–0.90)
2005	0.96 (0.91–1.00)	1.03 (0.97–1.09)	0.85 (0.78–0.92)
2006	0.91 (0.87–0.95)	0.95 (0.90–1.01)	0.81 (0.75–0.88)
2007	0.89 (0.85–0.93)	0.94 (0.88–0.99)	0.82 (0.76–0.89)
2008	0.84 (0.80–0.88)	0.89 (0.84–0.95)	0.75 (0.69–0.81)
2009	0.80 (0.76–0.83)	0.87 (0.82–0.92)	0.70 (0.64–0.75)
2010	0.76 (0.73–0.80)	0.84 (0.79–0.89)	0.68 (0.62–0.74)
2011	0.73 (0.69–0.76)	0.78 (0.73–0.83)	0.62 (0.57–0.67)
2012	0.68 (0.65–0.72)	0.74 (0.70–0.79)	0.57 (0.52–0.62)
2013	0.75 (0.71–0.78)	0.81 (0.76–0.86)	0.64 (0.59–0.69)
2014	0.72 (0.68–0.75)	0.74 (0.70–0.79)	0.63 (0.58–0.68)
2015	0.76 (0.73–0.80)	0.83 (0.78–0.88)	0.67 (0.62–0.73)
2016	0.75 (0.72–0.79)	0.83 (0.79–0.88)	0.65 (0.60–0.70)
2017	0.73 (0.70–0.77)	0.76 (0.71–0.80)	0.67 (0.62–0.72)
2018	0.77 (0.73–0.80)	0.82 (0.78–0.87)	0.65 (0.60–0.70)
2019	0.71 (0.68–0.75)	0.74 (0.70–0.78)	0.67 (0.62–0.72)
2020	0.73 (0.69–0.76)	0.77 (0.73–0.82)	0.69 (0.64–0.74)
2021	0.75 (0.72–0.78)	0.78 (0.74–0.83)	0.68 (0.63–0.73)
2022	0.78 (0.74–0.81)	0.83 (0.79–0.88)	0.73 (0.68–0.79)
2023	0.75 (0.71–0.78)	0.78 (0.73–0.82)	0.70 (0.66–0.76)
2024	0.72 (0.69–0.76)	0.74 (0.69–0.78)	0.69 (0.64–0.74)
Average	0.83 (0.79–0.87)	0.89 (0.84–0.94)	0.74 (0.68–0.80)

Supplemental Table 4: Heart Failure (HF) and Mitral Regurgitation (MR)-related mortality in U.S. Adults; 1999-2024, stratified by Sex and Year

Year	Asian or Pacific Islander	Black or African American	White	Hispanic or Latino
1999	0.85 (0.57–1.24)	0.76 (0.62–0.90)	1.16 (1.11–1.21)	0.53 (0.37–0.73)
2000	0.76 (0.49–1.11)	0.70 (0.56–0.84)	1.16 (1.11–1.22)	0.55 (0.40–0.74)
2001	0.58 (0.36–0.88)	0.65 (0.52–0.78)	1.08 (1.03–1.13)	0.51 (0.37–0.70)
2002	0.68 (0.45–0.98)	0.67 (0.54–0.80)	1.10 (1.05–1.16)	0.61 (0.46–0.80)
2003	0.48 (0.30–0.73)	0.68 (0.54–0.81)	1.02 (0.97–1.07)	0.60 (0.45–0.78)
2004	0.67 (0.46–0.96)	0.65 (0.52–0.78)	0.98 (0.93–1.03)	0.65 (0.50–0.83)
2005	0.70 (0.49–0.96)	0.61 (0.49–0.75)	1.03 (0.98–1.08)	0.48 (0.35–0.63)
2006	0.69 (0.48–0.96)	0.51 (0.41–0.64)	0.95 (0.90–1.00)	0.58 (0.44–0.75)
2007	0.78 (0.57–1.05)	0.61 (0.49–0.73)	0.94 (0.89–0.99)	0.49 (0.37–0.64)
2008	0.58 (0.40–0.80)	0.57 (0.46–0.69)	0.88 (0.84–0.93)	0.45 (0.33–0.58)
2009	0.66 (0.48–0.89)	0.66 (0.54–0.79)	0.85 (0.80–0.89)	0.49 (0.38–0.63)
2010	0.75 (0.56–0.99)	0.50 (0.40–0.62)	0.81 (0.77–0.85)	0.51 (0.40–0.65)
2011	0.59 (0.42–0.79)	0.52 (0.42–0.63)	0.75 (0.71–0.79)	0.45 (0.35–0.58)
2012	0.52 (0.37–0.71)	0.49 (0.39–0.59)	0.71 (0.67–0.75)	0.33 (0.25–0.44)
2013	0.59 (0.43–0.77)	0.41 (0.33–0.51)	0.82 (0.77–0.86)	0.36 (0.27–0.46)
2014	0.60 (0.45–0.79)	0.45 (0.36–0.54)	0.75 (0.71–0.79)	0.40 (0.31–0.51)
2015	0.60 (0.46–0.77)	0.62 (0.51–0.73)	0.80 (0.76–0.84)	0.45 (0.35–0.56)
2016	0.53 (0.40–0.68)	0.48 (0.38–0.57)	0.84 (0.79–0.88)	0.43 (0.34–0.53)
2017	0.40 (0.29–0.53)	0.58 (0.48–0.68)	0.78 (0.74–0.82)	0.43 (0.34–0.53)
2018	0.62 (0.49–0.79)	0.57 (0.47–0.67)	0.81 (0.77–0.85)	0.43 (0.35–0.53)
2019	0.43 (0.32–0.57)	0.52 (0.43–0.61)	0.78 (0.74–0.82)	0.42 (0.34–0.52)
2020	0.51 (0.39–0.64)	0.60 (0.50–0.70)	0.80 (0.76–0.84)	0.43 (0.35–0.52)
2021	0.44 (0.33–0.57)	0.55 (0.46–0.65)	0.83 (0.79–0.87)	0.39 (0.32–0.48)
2022	0.43 (0.33–0.56)	0.69 (0.59–0.80)	0.87 (0.83–0.91)	0.48 (0.40–0.57)
2023	0.51 (0.40–0.64)	0.66 (0.56–0.77)	0.80 (0.76–0.84)	0.45 (0.37–0.54)
2024	0.38 (0.28–0.49)	0.72 (0.62–0.83)	0.78 (0.74–0.82)	0.41 (0.34–0.50)
Average	0.59 (0.43–0.79)	0.60 (0.48–0.72)	0.90 (0.86–0.95)	0.47 (0.36–0.61)

Supplemental Table 5: Heart Failure (HF) and Mitral Regurgitation (MR)-related mortality in U.S. Adults; 1999-2024, stratified by Race/Ethnicity

Year	Middle-aged adults	Older adults
1999	0.22 (0.18–0.26)	5.30 (5.06–5.55)
2000	0.22 (0.18–0.26)	5.32 (5.07–5.56)
2001	0.18 (0.14–0.21)	4.93 (4.70–5.16)
2002	0.18 (0.15–0.21)	4.96 (4.73–5.19)
2003	0.18 (0.15–0.21)	4.58 (4.36–4.80)
2004	0.14 (0.11–0.17)	4.51 (4.30–4.73)
2005	0.18 (0.15–0.21)	4.58 (4.36–4.79)
2006	0.18 (0.15–0.21)	4.33 (4.12–4.54)
2007	0.18 (0.15–0.21)	4.22 (4.02–4.42)
2008	0.18 (0.15–0.21)	3.96 (3.76–4.16)
2009	0.18 (0.15–0.21)	3.76 (3.57–3.95)
2010	0.14 (0.11–0.16)	3.66 (3.48–3.84)
2011	0.14 (0.11–0.17)	3.48 (3.31–3.66)
2012	0.14 (0.11–0.17)	3.26 (3.09–3.43)
2013	0.14 (0.11–0.16)	3.57 (3.40–3.75)
2014	0.14 (0.11–0.17)	3.42 (3.25–3.59)
2015	0.18 (0.15–0.21)	3.60 (3.43–3.77)
2016	0.14 (0.11–0.16)	3.61 (3.44–3.78)
2017	0.18 (0.15–0.21)	3.43 (3.26–3.59)
2018	0.18 (0.15–0.21)	3.61 (3.44–3.78)
2019	0.18 (0.15–0.21)	3.33 (3.17–3.49)
2020	0.18 (0.15–0.20)	3.41 (3.25–3.56)
2021	0.18 (0.15–0.21)	3.52 (3.36–3.69)
2022	0.18 (0.15–0.21)	3.66 (3.50–3.83)
2023	0.22 (0.19–0.25)	3.43 (3.27–3.59)
2024	0.22 (0.19–0.25)	3.32 (3.17–3.48)
Average	0.18 (0.14–0.20)	3.95 (3.76–4.14)

Supplemental Table 6: Heart Failure (HF) and Mitral Regurgitation (MR)-related mortality in U.S. Adults; 1999-2024, stratified by Age Groups

Year	Northeast	Midwest	South	West
1999	1.04 (0.94–1.14)	1.10 (1.00 – 1.20)	1.01 (0.93 – 1.09)	1.37 (1.25 – 1.50)
2000	1.10 (0.99–1.21)	1.04 (0.94 – 1.14)	1.05 (0.97 – 1.13)	1.30 (1.18 – 1.42)
2001	1.02 (0.92–1.12)	1.06 (0.96 – 1.16)	0.88 (0.81 – 0.96)	1.21 (1.09 – 1.32)
2002	1.04 (0.94–1.14)	0.99 (0.90 – 1.09)	0.94 (0.86 – 1.02)	1.28 (1.16 – 1.39)
2003	0.90 (0.81–1.00)	1.00 (0.90 – 1.09)	0.85 (0.78 – 0.92)	1.14 (1.03 – 1.24)
2004	0.99 (0.90–1.09)	0.96 (0.86 – 1.05)	0.79 (0.72 – 0.85)	1.12 (1.01 – 1.22)
2005	0.99 (0.89–1.09)	0.97 (0.88 – 1.06)	0.78 (0.71 – 0.85)	1.20 (1.09 – 1.31)
2006	0.88 (0.79–0.97)	0.98 (0.89 – 1.07)	0.69 (0.63 – 0.75)	1.20 (1.09 – 1.31)
2007	0.86 (0.77–0.95)	0.93 (0.84 – 1.02)	0.71 (0.65 – 0.77)	1.17 (1.06 – 1.27)
2008	0.83 (0.75–0.92)	0.86 (0.77 – 0.94)	0.67 (0.61 – 0.73)	1.03 (0.94 – 1.13)
2009	0.75 (0.67–0.84)	0.87 (0.79 – 0.95)	0.66 (0.60 – 0.72)	1.00 (0.91 – 1.10)
2010	0.79 (0.71–0.87)	0.76 (0.68 – 0.83)	0.61 (0.55 – 0.66)	0.98 (0.89 – 1.08)
2011	0.69 (0.61–0.77)	0.81 (0.73 – 0.89)	0.56 (0.51 – 0.62)	0.91 (0.82 – 1.00)
2012	0.69 (0.61–0.77)	0.79 (0.71 – 0.87)	0.52 (0.47 – 0.57)	0.82 (0.73 – 0.90)
2013	0.75 (0.67–0.82)	0.81 (0.73 – 0.88)	0.55 (0.50 – 0.60)	0.97 (0.88 – 1.06)
2014	0.70 (0.63–0.78)	0.81 (0.73 – 0.88)	0.54 (0.49 – 0.59)	0.88 (0.80 – 0.97)
2015	0.78 (0.70–0.86)	0.89 (0.81 – 0.97)	0.59 (0.53 – 0.64)	0.89 (0.81 – 0.97)
2016	0.78 (0.70–0.86)	0.91 (0.82 – 0.99)	0.57 (0.52 – 0.62)	0.95 (0.86 – 1.03)
2017	0.71 (0.64–0.79)	0.82 (0.74 – 0.89)	0.56 (0.51 – 0.61)	0.95 (0.86 – 1.03)
2018	0.77 (0.70–0.85)	0.85 (0.77 – 0.93)	0.57 (0.53 – 0.62)	0.92 (0.84 – 1.00)
2019	0.75 (0.67–0.82)	0.82 (0.75 – 0.90)	0.53 (0.49 – 0.58)	0.82 (0.75 – 0.89)
2020	0.69 (0.62–0.76)	0.93 (0.85 – 1.01)	0.52 (0.48 – 0.56)	0.94 (0.86 – 1.02)
2021	0.78 (0.71–0.86)	0.84 (0.76 – 0.92)	0.59 (0.54 – 0.64)	0.89 (0.82 – 0.98)
2022	0.80 (0.72–0.88)	0.85 (0.77 – 0.93)	0.64 (0.60 – 0.70)	0.95 (0.88 – 1.04)
2023	0.67 (0.61–0.75)	0.88 (0.81 – 0.97)	0.63 (0.58 – 0.68)	0.91 (0.83 – 0.99)
2024	0.72 (0.65–0.80)	0.85 (0.78 – 0.93)	0.58 (0.54 – 0.63)	0.87 (0.80 – 0.95)
Average	0.83 (0.74–0.91)	0.90 (0.81 – 0.98)	0.68 (0.62 – 0.74)	1.03 (0.93 – 1.12)

Supplemental Table 7: Heart Failure (HF) and Mitral Regurgitation (MR)-related mortality in U.S. Adults; 1999-2024, stratified by Census Region

Year	Urban	Rural
1999	1.10 (1.04 – 1.15)	1.15 (1.03 – 1.26)
2000	1.11 (1.05 – 1.16)	1.05 (0.94 – 1.16)
2001	1.03 (0.98 – 1.08)	0.97 (0.87 – 1.08)
2002	1.02 (0.97 – 1.07)	1.05 (0.94 – 1.16)
2003	0.95 (0.90 – 1.00)	0.97 (0.86 – 1.07)
2004	0.93 (0.89 – 0.98)	0.94 (0.84 – 1.04)
2005	0.96 (0.91 – 1.00)	0.97 (0.87 – 1.07)
2006	0.89 (0.85 – 0.94)	0.95 (0.85 – 1.05)
2007	0.88 (0.83 – 0.92)	0.94 (0.84 – 1.04)
2008	0.83 (0.78 – 0.87)	0.82 (0.73 – 0.91)
2009	0.79 (0.75 – 0.84)	0.84 (0.75 – 0.93)
2010	0.76 (0.72 – 0.80)	0.74 (0.65 – 0.82)
2011	0.71 (0.67 – 0.75)	0.80 (0.71 – 0.89)
2012	0.68 (0.65 – 0.72)	0.63 (0.55 – 0.71)
2013	0.75 (0.71 – 0.79)	0.74 (0.66 – 0.82)
2014	0.71 (0.67 – 0.75)	0.79 (0.71 – 0.88)
2015	0.75 (0.71 – 0.78)	0.79 (0.70 – 0.87)
2016	0.76 (0.72 – 0.80)	0.74 (0.66 – 0.82)
2017	0.73 (0.70 – 0.77)	0.73 (0.65 – 0.81)
2018	0.75 (0.71 – 0.78)	0.81 (0.73 – 0.90)
2019	0.69 (0.65 – 0.72)	0.76 (0.68 – 0.85)
2020	0.71 (0.68 – 0.75)	0.85 (0.76 – 0.94)
Average	0.84 (0.80 – 0.88)	0.87 (0.77 – 0.96)

Supplemental Table 9: Heart Failure (HF) and Mitral Regurgitation (MR)-related mortality in U.S. Adults; 1999-2020, stratified by State

Year	65-74 years	75-84 years	85+ years
1999	1.56 (1.38–1.74)	5.46 (5.05–5.88)	20.53 (19.16–21.91)
2000	1.36 (1.19–1.53)	5.76 (5.34–6.18)	20.64 (19.27–22.01)
2001	1.39 (1.22–1.56)	5.17 (4.77–5.57)	19.15 (17.85–20.46)
2002	1.36 (1.19–1.53)	5.23 (4.83–5.62)	19.43 (18.13–20.74)
2003	1.21 (1.05–1.36)	4.79 (4.41–5.17)	18.29 (17.04–19.55)
2004	1.10 (0.95–1.25)	4.75 (4.38–5.12)	18.52 (17.27–19.77)
2005	1.08 (0.93–1.22)	4.63 (4.27–5.00)	19.33 (18.07–20.58)
2006	1.08 (0.94–1.23)	4.41 (4.05–4.77)	17.90 (16.71–19.09)
2007	1.04 (0.90–1.18)	4.25 (3.90–4.60)	17.98 (16.81–19.15)
2008	0.87 (0.75–1.00)	4.15 (3.80–4.50)	16.34 (15.24–17.44)
2009	0.91 (0.79–1.04)	3.73 (3.40–4.06)	16.06 (14.99–17.13)
2010	0.76 (0.64–0.88)	3.54 (3.22–3.87)	16.27 (15.21–17.34)
2011	0.69 (0.59–0.80)	3.60 (3.27–3.92)	14.97 (13.97–15.97)
2012	0.77 (0.66–0.88)	3.26 (2.96–3.57)	13.57 (12.63–14.51)
2013	0.84 (0.72–0.95)	3.45 (3.14–3.76)	15.59 (14.60–16.59)
2014	0.81 (0.71–0.92)	3.32 (3.01–3.62)	14.90 (13.93–15.86)
2015	0.77 (0.67–0.87)	3.45 (3.14–3.76)	16.06 (15.07–17.06)
2016	0.83 (0.73–0.94)	3.40 (3.10–3.70)	16.22 (15.23–17.21)
2017	0.77 (0.67–0.87)	3.33 (3.04–3.63)	15.03 (14.08–15.97)
2018	0.77 (0.67–0.87)	3.48 (3.19–3.78)	15.89 (14.93–16.86)
2019	0.78 (0.69–0.88)	3.22 (2.94–3.50)	14.46 (13.54–15.38)
2020	0.83 (0.73–0.93)	3.24 (2.96–3.51)	15.08 (14.15–16.01)
2021	0.87 (0.77–0.97)	3.27 (2.99–3.55)	15.30 (14.30–16.29)
2022	0.95 (0.84–1.05)	3.62 (3.34–3.90)	15.65 (14.69–16.61)
2023	0.84 (0.75–0.94)	3.18 (2.93–3.44)	15.30 (14.33–16.28)
2024	0.94 (0.84–1.04)	3.15 (2.90–3.40)	14.03 (13.12–14.95)

Supplemental Table 10: Sensitivity analysis for the older age group due to the broad age strata.